ABSTRACT

The present invention provides an affinity trap reactor that enables the reaction between an enzyme bound to a support and substrate to proceed efficiently without its applications being restricted by the type of enzyme and substrate used. The present invention relates to an affinity trap reactor composed of a support bound with an enzyme and a molecule that specifically binds with a substrate of the enzyme, and a single-stage process for obtaining BL-angiostatin from plasminogen contained in a biological sample, wherein a biological sample containing plasminogen is applied to an affinity trap reactor composed of a support bound with bacillolysin MA and lysine, and reacted under conditions of a temperature of 0 to 50°C in the presence of isopropyl alcohol but in the absence of calcium ions.